

**Applicant: Wang *et al.***  
**Application No.: 10/849,753**

**REMARKS/ARGUMENTS**

Claims 1-10 are currently pending.

The Office Action rejected claims 1-10 under 35 U.S.C. 103(a) as obvious over applicant's admitted prior art in view of U.S. Publication No. 2001/0015716 to Kim. Applicant respectfully submits that claims 1-10 are nonobvious for the following reasons.

According to MPEP 8th ed. 706.02(j), to establish a *prima facie* case of obviousness, the prior art reference (or references when combined) must teach or suggest all the claim limitations. The Action admits that the admitted prior art does not teach that the polarity inverting signal has a frequency lower than a display frequency of sub-pixels as claimed. Instead, it argues that Kim cures this deficiency, but it does not.

Kim fails to disclose or suggest any polarity inverting signal having a frequency lower than a display frequency of sub-pixels. Kim states that polarities of pixels for common voltage are inverted in units of pixel groups comprised of three pixels in each row for common voltage, and alternate between positive and negative in each column (paragraph [0052]), but never teaches the claimed polarity inverting signal. At most, Kim teaches polarity inversion in units of three sub-pixels in Fig. 6(a), but it never refers to the polarity inverting signal having proper frequency as claimed in claims 1 and 6. Since the polarities of pixel groups can be alternated by

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many different methods, and Kim specifies none in particular, the Action is incorrect in concluding that Kim teaches a polarity inversion signal, which has a frequency lower than a display frequency of sub-pixels.

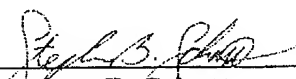
In conclusion, neither applicant's admitted prior art nor Kim discloses or suggests all the claim limitations, particularly, a polarity inverting signal **having a frequency higher than a scan frequency of scan lines but lower than a display frequency of sub-pixels** as recited in independent claims 1 and 6 of the present application. Accordingly, the present invention is nonobvious over the prior art in view of Kim.

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In view of the foregoing remarks, Applicants respectfully submit that the present application, including claims 1-10, is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

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